JioODU Web GUI User Guide

v1.7

Date: 09-10-2023

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Revision History

Version	Revision date	Prepared by	Revision details
1.0	24-May-2022	Santhosh Reddy Pagidala	1. Initial Release
1.1	22-Sep-2022	Santhosh Reddy Pagidala	1. Addition of Enterprise feature screens 2. Removal of ACS screen 3. Change of Jio-OS CC to JioODU
1.2	04-Jan-2023	Namratha Kanthi	1. Wan is removed for Firewall screen
1.3	23-Jan-2023	Namratha Kanthi	1. Capture packet is added in logs screen
1.4	21-Mar-2023	Namratha Kanthi	1. LAN IPv4 Settings 2. Schedule Reboot in user management screen
1.5	13-Apr-2023	Namratha Kanthi	1. LAN IPv6 Settings 2. RADVD
1.6	13-Sept-2023	Pranali Mane	1. Ping / Trace route in diagnostics screen. 2. URL change from http to https in user management screen.
1.7	9-Oct 2023	Pranali Mane	1. Addition of LAN IPv4 & LAN IPv6 Sections in Local Area Network Status page

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1. Web Control Panel

1.1 Overview

Web Control Panel of JioODU provides different setting options mainly categorized into five major settings.

- **Status**: Refer to section **1.2 Category Status**
- **Settings**: Refer to section **1.3 Category Settings**
- **Administration**: Refer to section **1.4 Category Administration**
- **SMS**: Refer to section **1.5 Category SMS**
- **Help**: Refer to section **1.6 Category Help**

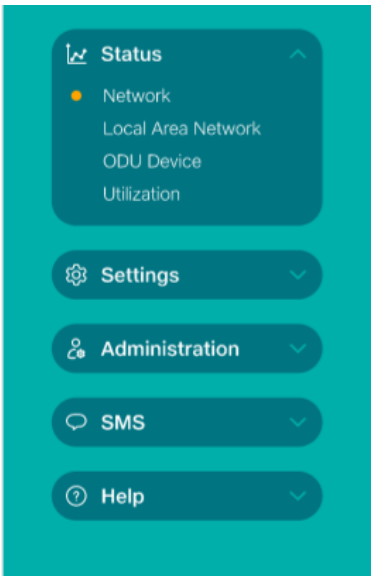

Figure 1 - Web GUI Control Panel Menu

1.2 Category Status

Status menu contains four pages, each containing different set of status result of the router device.

- Network Status: Refer to section 1.2.1 Network.
- Local Area Network Status: Refer to section 1.2.2 Local Area Network
- ODU Device Status: Refer to section 1.2.3 ODU Device
- Utilization Status: Refer to section 1.2.4 Utilization.

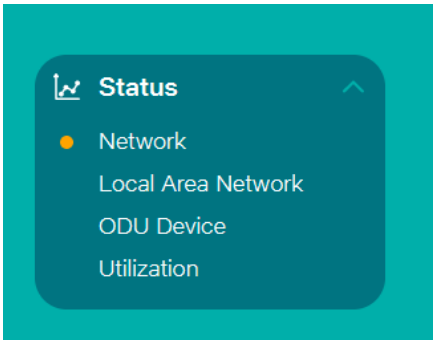

Figure 2 - Status Menu

1.2.1 Network

Select [Status] → [Network] from web control panel to see network status.

- Device Connection Status
  - Connection Status: Connection status of the device
    - Attached: RRC status is in connection mode
    - Detached: RRC status is not in connection mode
    - No SIM: No SIM card is inserted, or CPE SIM slot is not checked yet.
    - PIN Lock: SIM card is inserted, but not verified.
    - PIN Block: SIM card is present but blocked.
    - Roaming
  - Connection Duration: Device serving time.
  - Host Name: Host name of the device

- Device Data Status: Data transfer status
  - Uplink Data (Data Sent)
  - Downlink Data (Data Received)
  - Packet Loss

- IPv4 Network Status: Current IPv4 status of PDN connection
  - IPv4 Address
  - Subnet Mask
  - Default Gateway
  - Primary DNS Server

- IPv6 Network Status: Current IPv6 status of PDN connection
  - IPv6 Address
  - IPv6 Prefix
  - Default Gateway
  - Primary DNS Server

- Cellular Connection Parameters
  - Signal Strength: No Connection, Poor, Good, Very Good, Excellent
  - Operating Mode: Radio access technology of serving (primary) cell.
  - Band(s)
  - Bandwidth: Active bandwidth of serving (primary) cell (unit: MHz)
  - NR-ARFCN / EARFCN: Active uplink / downlink radio channel of serving (primary)
    cell
  - Physical Cell ID: Physical cell identity of serving (primary) cell.
  - PLMN: PLMN ID of the registered home network
  - Default APN: Default APN name “jionet”
  - User APN(s): User APN(s), Max: 2
  - Global Cell ID: Cell identifies of serving (primary) cell.
  - ECGI: PLMN ID and Cell ID
  - RSRP*: Reference signal received power of serving (primary) cell (unit: dBm). NSA Only.
  - RSRQ*: Reference signal received quality of serving (primary) cell (unit: dB) NSA Only.
  - SINR*: Signal interference noise ratio of serving (primary) cell (unit: dB)
  - MIMO*: NSA Only
  - MCS*: NSA Only
  - SS-RSRP: Synchronization Signal reference signal received power.
  - SS-RSRQ: Synchronization Signal reference signal received quality.
  - SS-SINR: Synchronization Signal interference noise ratio

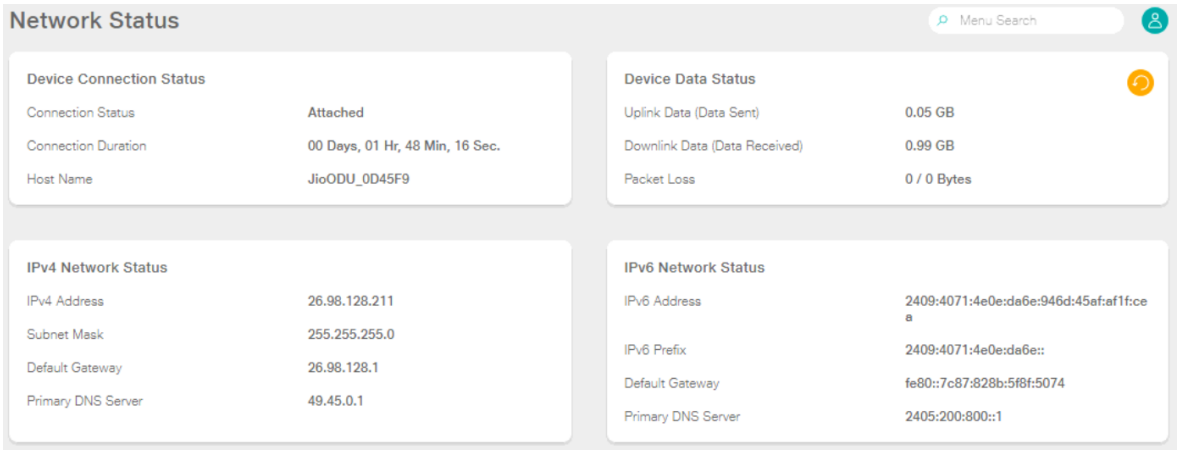

Figure 3 - Network status page 1

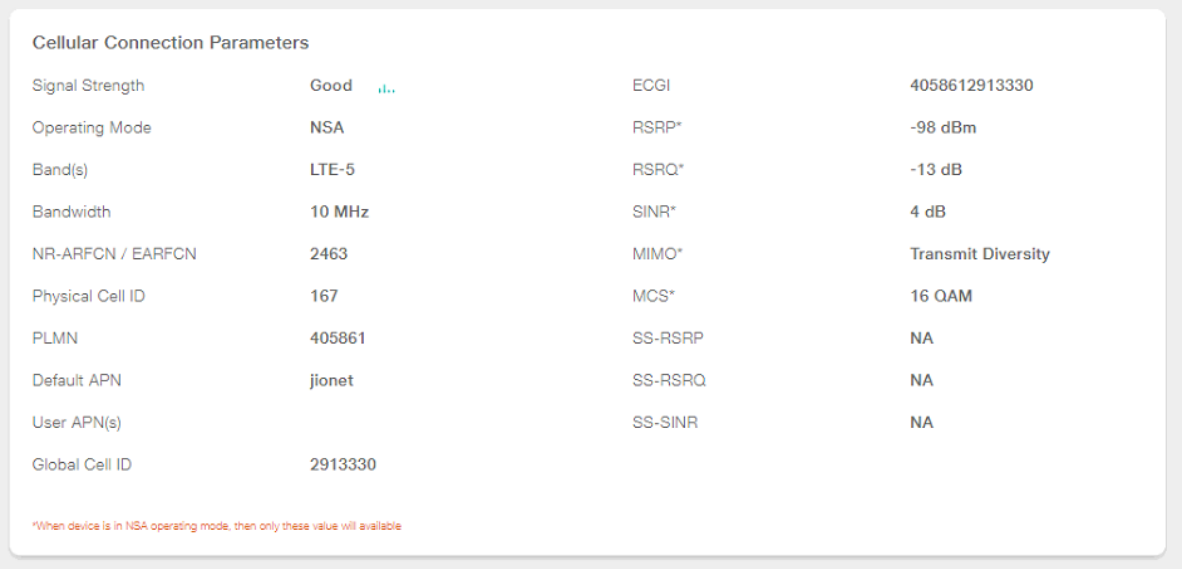

Figure 4 - Network status page 2

1.2.2 Local Area Network

Select [Status] → [Local Area Network] from web control panel to see local area network status.

- Operating Mode
  - Mode: Bridge / Router
- Ethernet Status
  - Link Status: UP/ Down
  - Speed: Current speed of ethernet
  - Duplex mode: Current mode on interface

- LAN IPv4
  - Host IPv4 Address: Current IP address on LAN interface
  - LAN Operating Mode: DHCP or IP Passthrough Mode
  - Subnet Mask: Current network mask on LAN interface
  - ODU / Gateway IP Address: Current gateway IPv4 address on LAN interface

- LAN IPv6
  - Host IPv6 Address: Current IP address on LAN interface
  - LAN Operating Mode: Stateless or Stateful
  - IPv6 Prefix Length: Prefix length for IPv6
  - ODU / Gateway IP Address: Current gateway IPv6 address on LAN interface

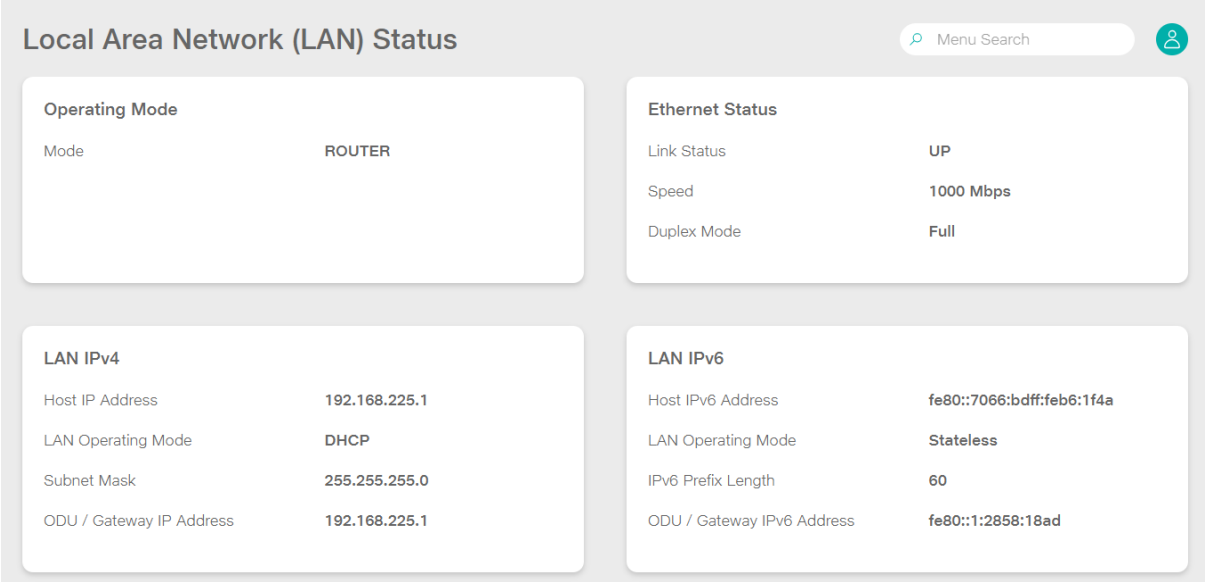

Figure 5 - Local Area Network status page

1.2.3 ODU Device

Select [Status] → [ODU Device] from web control panel to see ODU Device status.

- Device Information
  - Current Local Date & Time: Current local date and time on the device
  - ODM
  - Product ID / Name / Model No.
  - Software Version: Software version loaded on the device.
  - Hardware Version: Device hardware version
  - Serial Number
  - IMEI
  - IMSI
  - Software Creation Date: Date on which software is created.
  - Primary MAC ID
  - Device OUI
  - Device Model
  - Supported Bands
  - Last Successful ACS Connection: Last connection time to ACS server

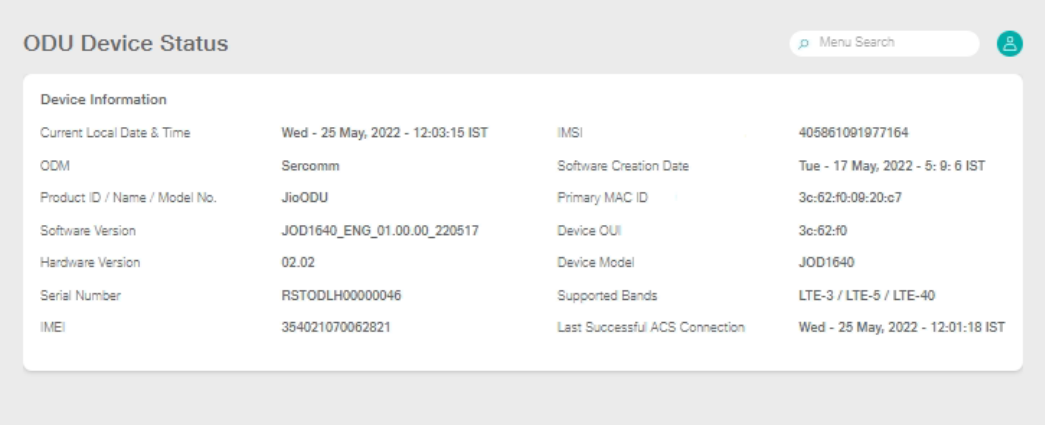

Figure 6 - ODU Device status page

1.2.4 Utilization

Select [Status] → [Utilization] from web control panel to see device utilization status and statistics.

- System Information
  - System Monitoring Duration
  - Device Uptime: Time as in how long device is up and running.
  - Firewall Status

- CPU Utilization
  - Current Usage: Current CPU usage in percentage
  - Maximum Usage:
  - Minimum Usage

- Memory Utilization
  - Current Usage
  - Maximum Usage
  - Minimum Usage

- Uplink Data Speed
  - Average Data Rate
  - Maximum Data Rate
  - Minimum Data Rate

- Downlink Data Speed
  - Average Data Rate
  - Maximum Data Rate
  - Minimum Data Rate

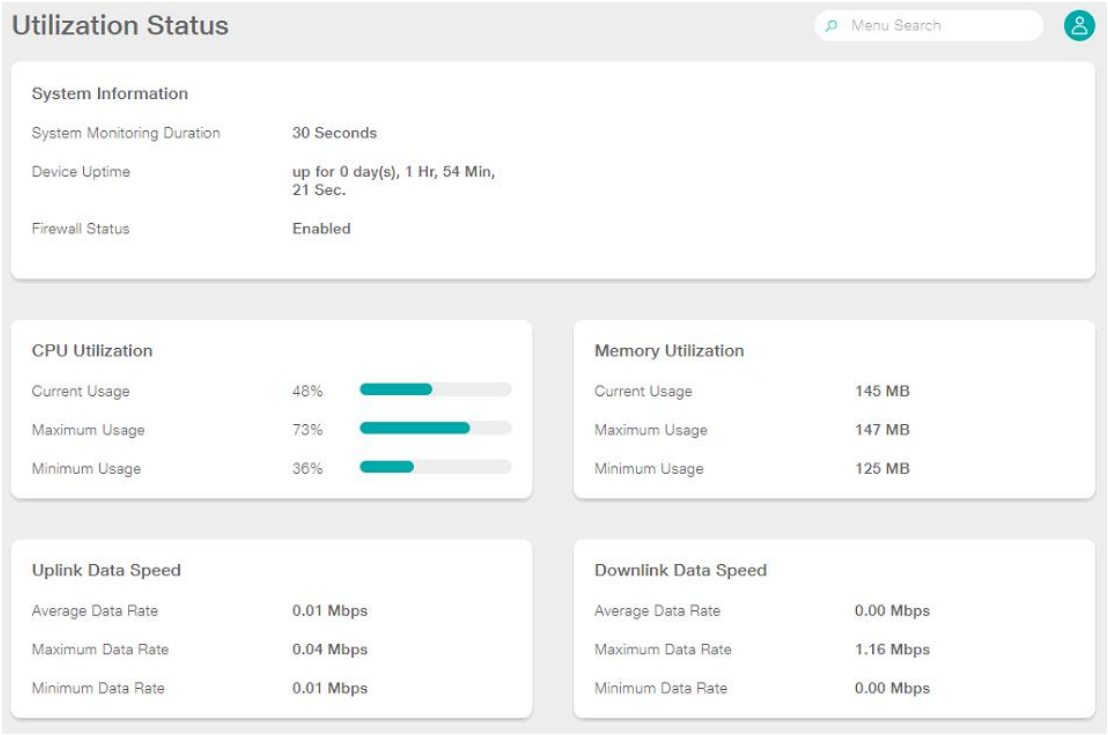

Figure 7 - Utilization status page

1.3 Category Settings

The settings menu helps to navigate through different setting pages and to configure respectively.

- Cellular Settings: Refer to section 1.3.1 Cellular Settings
- eSIM Settings: Refer to section 1.3.2 Cellular Settings
- LAN IPv4 Settings: Refer to section 1.3.3 LAN IPv4 Settings
- LAN IPv6 Settings: Refer to section 1.3.4 LAN IPv6 Settings
- RADVD Settings: Refer to section 1.3.5 RADVD.
- PMIPv6 Settings: Refer to section 1.3.6 PMIPv6.
- ALG Settings: Refer to section 1.3.7 ALG.
- Firewall Settings – Refer to section 1.3.8 Firewall.
- IPSec Settings – Refer to section 1.3.9 IPSec
- OpenVPN Settings – Refer to section 1.3.10 OpenVPN.
- EoGRE Settings – Refer to section 1.3.11 EoGRE

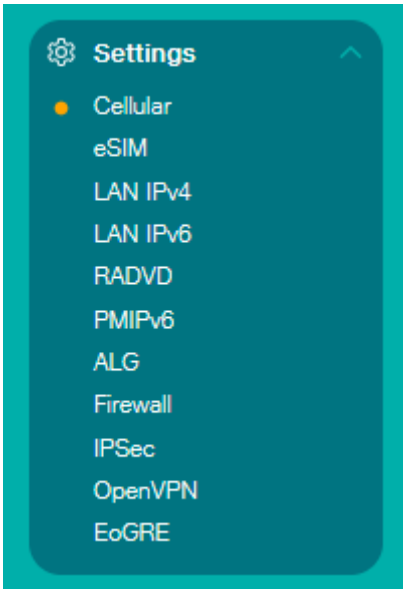

Figure 8 - Settings menu

1.3.1 Cellular Settings

Select [Settings] → [Cellular] from web control panel to check and to configure cellular settings.

- APNs List: Displays the list of system and user APNs with below details. User can add up to 2 User APNs. User can perform edit or delete only on User APNs.
    - APN Status
    - APN Type
    - APN Name
    - Connection Status
    - Actions

- Default APN Settings
    - APN Network: Automatic or Manual
    - APN Name: (disabled for automatic)
      Connection Type: IPv4 or IPv6 or IPv4 & IPv6 (disabled for automatic)
- Cellular Band Selection
    - Scan Mode: Full Scan Or NR-ARFCN Lock
    - Operation Mode: SA or NSA (disabled for full scan)
    - Band(s): (disabled for full scan)

- PIN Management
    - PIN Status: Enable or Disable
    - PIN: Required to provide SIM PIN to set the PIN status. Modified PIN status will take effect on next device reboot and PIN is required to verified on every reboot when enabled.

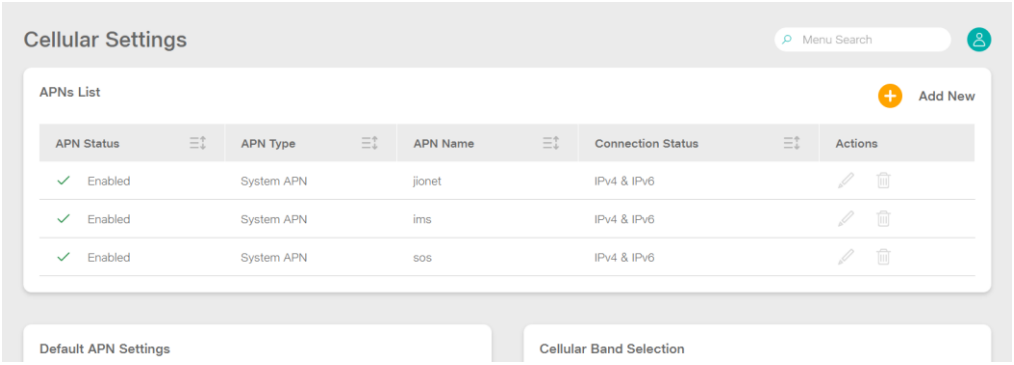

Figure 9 - Cellular Settings page 1

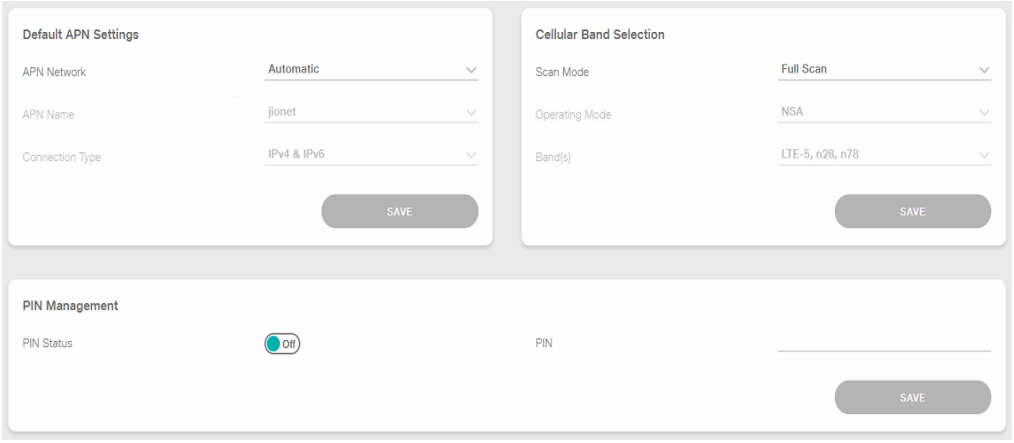

Figure 10 - Cellular Settings page 2

1.3.2 eSIM Settings

Select [Settings] → [eSIM] from web control panel for configuring eSIM settings.

This section is under development.

1.3.3 LAN IPv4 Settings

Select [Settings] → [LAN IPv4] from web control panel to check and to configure LAN IPv4 settings.

- Operation Mode: Changes to this section requires a reboot to the device and that happens automatically when changes are saved.
    - Operation Mode: Router or Bridge
    - MAC address: Auto or Enter MAC Address (disabled for Router)
    - Enter MAC address: (disabled for Auto)

- Internet Protocol
    - Host Name
    - Host IP Address Type: Class A or Class B or Class C
    - Host IP Address: This should be in the range of Host IP Address Type selected.
    - Host Subnet Mask: This should be in the range of Host IP Address selected.
    - MTU: Ranges from 1280 to 1500
    - DHCP Server: Enable/ Disable
    - Starting IP Address

  - Ending IP Address
  - Primary DNS
  - Secondary DNS
  - Lease Time
  - Domain Name

- IPv4 Static Address List: This section displays the list of devices connected. User can add more IPv4 Static Addresses.
  - Device Name
  - IP Address: IP address of the device connected.
  - MAC Address: MAC address of the device connected.
  - Actions: Use can perform view / edit / delete action of the selected device.
- Lease Reservation List: This section displays the list of leave reservation details.
  - Client Host Name
  - IPv4 Address
  - MAC Address
  - Status: Connected or Not Connected
  - Actions: View or Delete

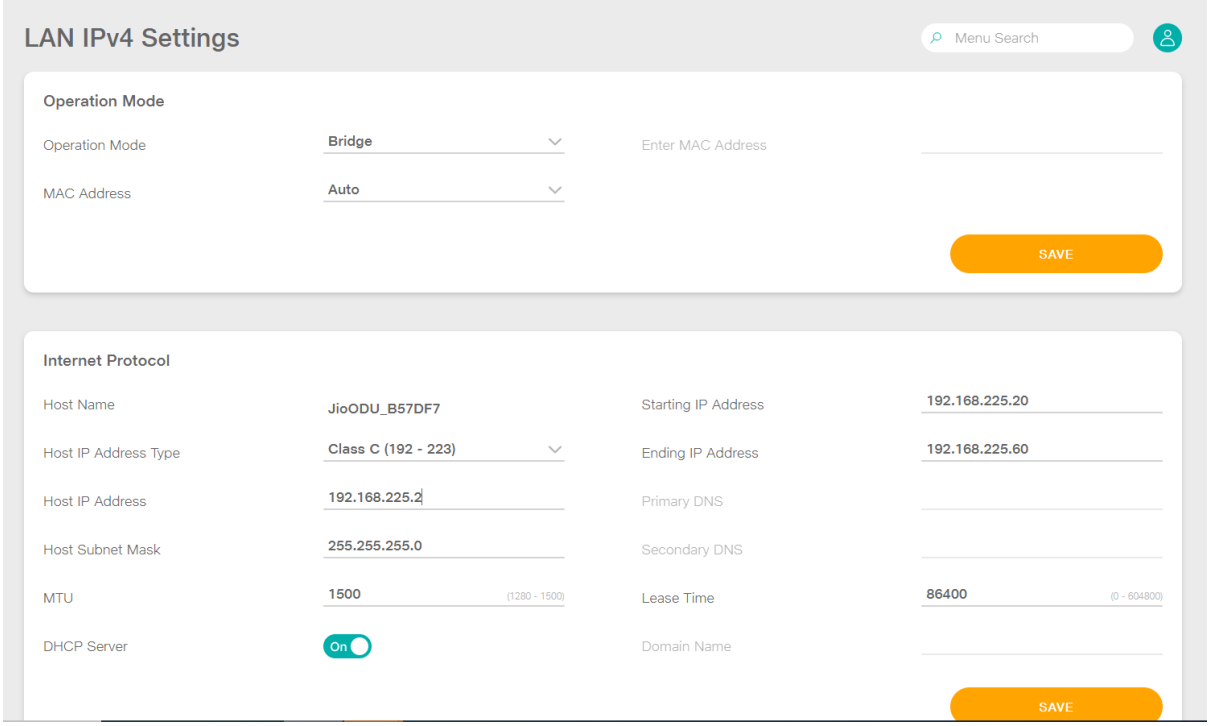

Figure 11 - Local Area Network (LAN) Settings page

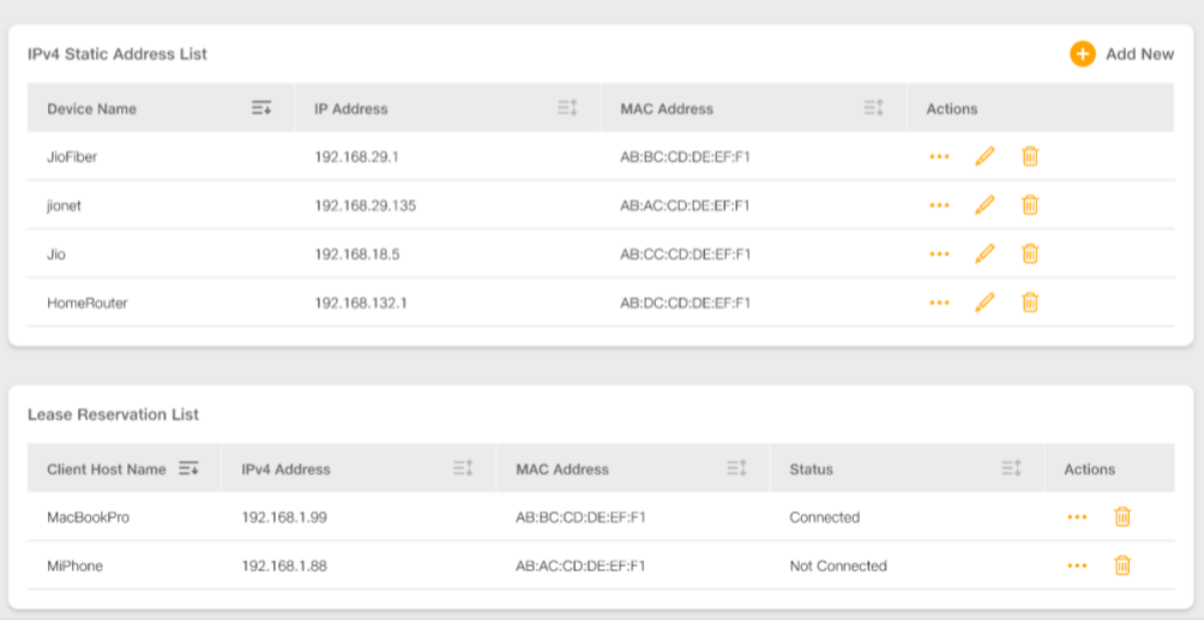

Figure 122 - Local Area Network (LAN) Settings page

1.3.4 LAN IPv6 Settings

Select [Settings] → [LAN IPv6 Settings] from web control panel to check and to configure LAN IPv6 settings.

- LAN IPv6
  - IPv6 Address
  - IPv6 Prefix length
  - Domain Name
  - DHCPv6 Server
  - Lease Time
  - Server Preference
  - Primary DNS
  - Secondary DNS
  - Prefix Delegation

- Lease Reservation List: This section displays the list of leave reservation details.
  - Client Host Name
  - IPv6 Address
  - MAC Address
  - Status: Connected or Not Connected
  - Actions: View or Delete

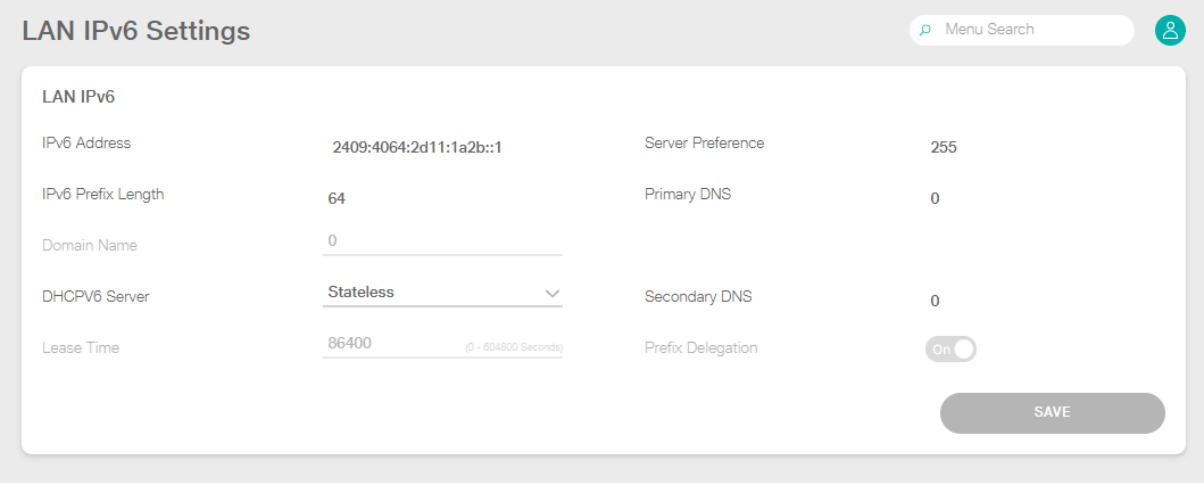

Figure 13 – LAN IPv6 Settings Page

1.3.5 RADVD Settings

Select [Settings] → [RADVD] from web control panel to check and to configure RADVD settings.

- Status
- Advertise Mode
- Advertise Interval
- RA Flag Managed
- RA Flag Other
- Router Preference
- MTU
- Router Lifetime

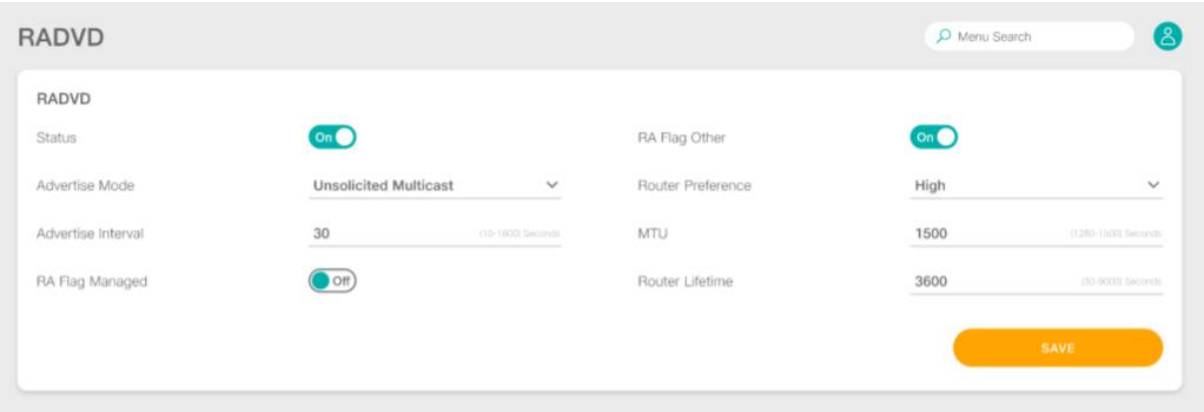

Figure 14 – RADVD Settings Page

1.3.6 PMIPv6 Settings

Select [Settings] → [PMIPv6] from web control panel to check and to configure PMIPv6 settings. This screen is available only if the device is in ROUTER mode.

- This section is under development.

1.3.7 ALG Settings

Select [Settings] → [ALG] from web control panel to check and to configure ALG settings. This screen is available only if the device is in ROUTER mode.

- This section is under development.

1.3.8 Firewall Settings

Select [Settings] → [Firewall] from web control panel to check and to configure firewall settings. This screen is available only if the device is in ROUTER mode.

- Firewall
  - Status: Enable or Disable
- DMZ
  - Status: Enable or Disable
  - DMZ IP Address

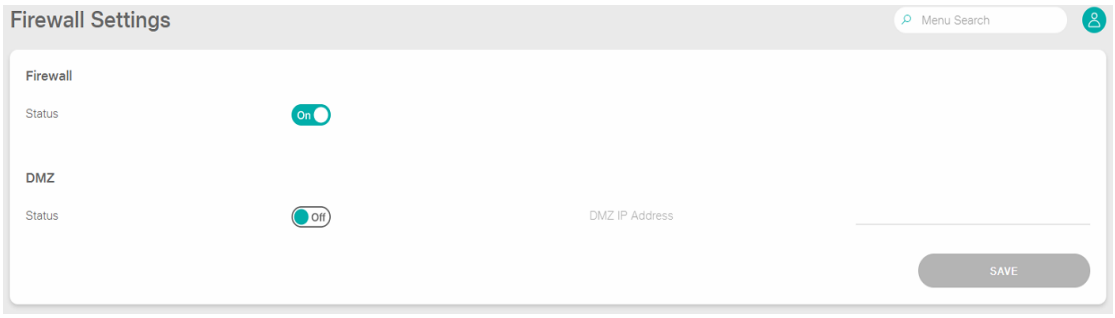

Figure 15 - Firewall Settings page

1.3.9 IPSec Settings

Select [Settings] → [IPSec] from web control panel to check and to configure IPSec settings. This screen is available only if the device is in ROUTER mode and enterprise feature is enabled.

- IPSec Status
  - IPSec: Enable or Disable

- IPSec Rules List: This section displays the list of IPSec rules. User can perform actions like View, Add, Modify, Delete, Change the status of a Rule, and perform Advance settings. User can add up to one IPSec Rule.
  - Connection Name
  - Encapsulation Mode: Tunnel or Transport
  - Local Endpoint IP
  - Remote Endpoint IP
  - Encryption Algorithm
  - Actions: User can perform
    - View
    - Change Status
    - Edit
    - Advance Settings
    - Delete

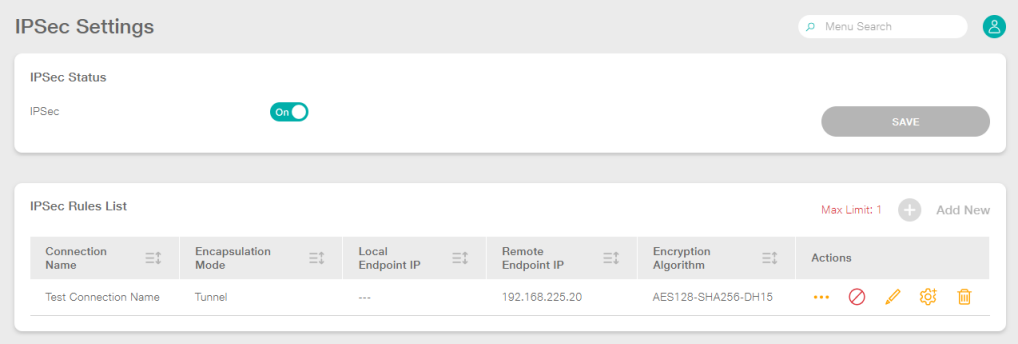

Figure 16 – IPSec Settings Page

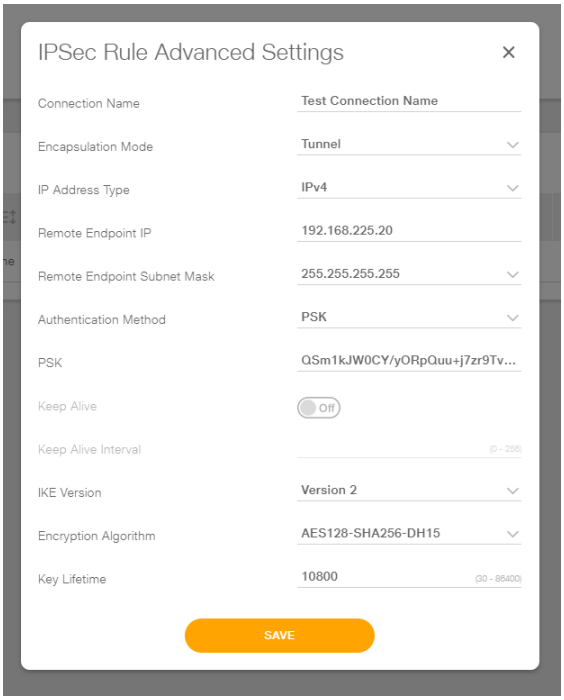

Figure 17 - IPSec rule Advance settings

1.3.10 OpenVPN Settings

Select [Settings] → [OpenVPN] from web control panel to check and to configure OpenVPN settings. This screen is available only if the device is in ROUTER mode and enterprise feature is enabled.

- OpenVPN Status
  - OpenVPN: Enable or Disable

- OpenVPN Rules List: This section displays the list of OpenVPN rules. User can perform actions like View, Add, Modify, Delete, Change the status of a Rule, and perform Advance settings.
  - Protocol: TCP or UDP
  - Port
  - Authorization Type: TLS or Static
  - Local Endpoint IP
  - Remote Endpoint IP
  - Actions
    - View

- Change Status
- Download OpenVPN Client Configuration
- Modify
- Advance Settings
- Delete

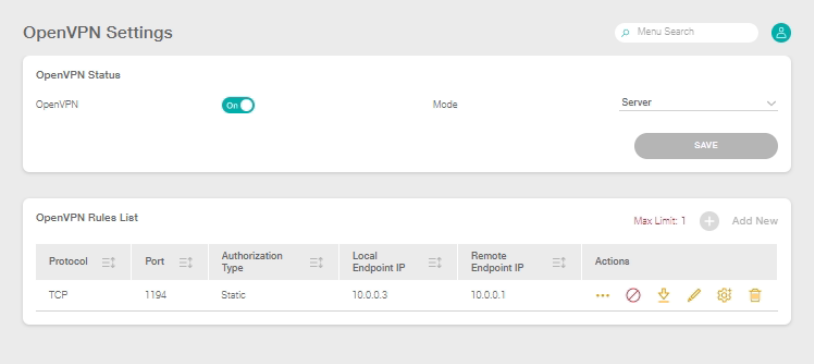

Figure 18 - OpenVPN Settings Page

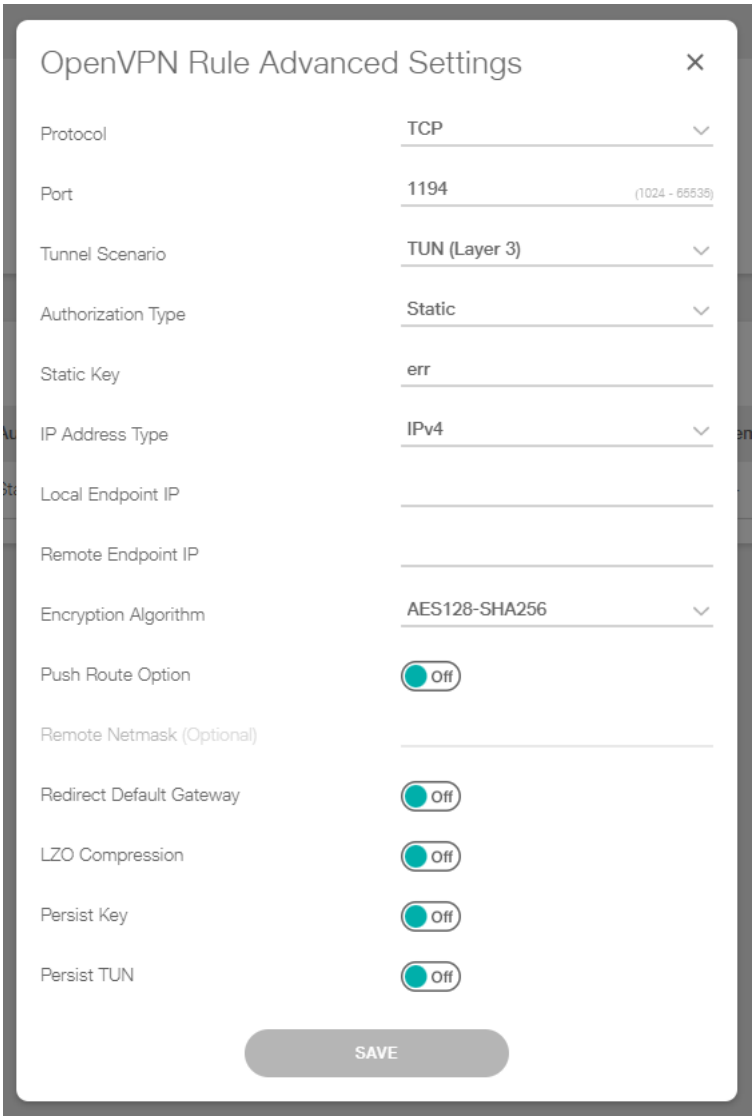

Figure 19 – OpenVPN rule Advance settings

1.3.11 EoGRE Settings

Select [Settings] → [EoGRE] from web control panel to check and to configure EoGRE settings. This screen is available only if the device is in ROUTER mode and enterprise feature is enabled.

- EoGRE Status
  - EoGRE: Enable or Disable

- EoGRE Rules List: This section displays the list of EoGRE rules. User can perform actions like View, Add, Modify, Delete, Change the status of a Rule, and perform Advance settings.
  - Tunnel Name
  - Local Endpoint IP
  - Remote Endpoint IP
  - EoGRE Over IPSec: Enable or Disable
  - Actions
    - View
    - Change Status
    - Edit
    - Advance Settings
    - Delete

- IPSec Rules List: This section displays the list of IPSec rules that are matching the remote Ips. User can view the details of the IPSec rule.
  - Connection Name
  - Encapsulation Mode
  - Local Endpoint IP
  - Remote Endpoint IP
  - EoGRE Over IPSec: Enable or Disable
  - Actions
    - View

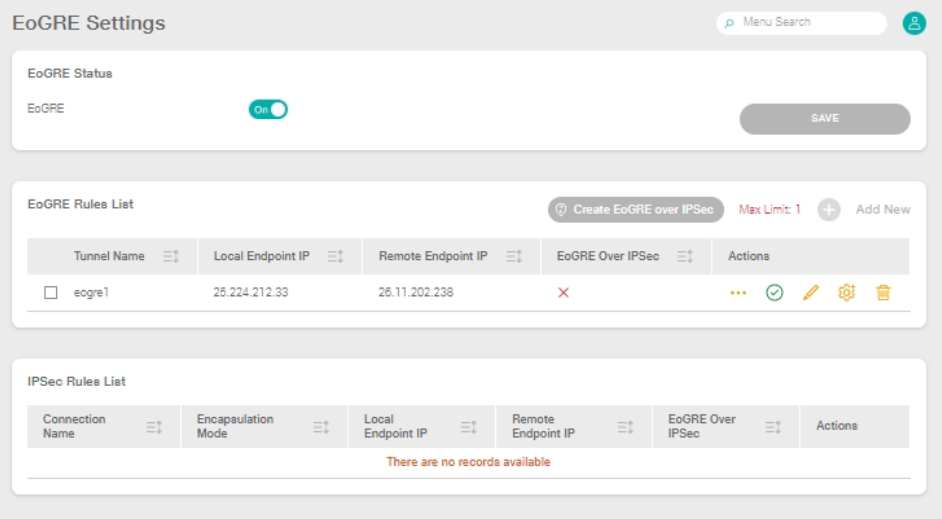

Figure 20 - EoGRE Settings Page

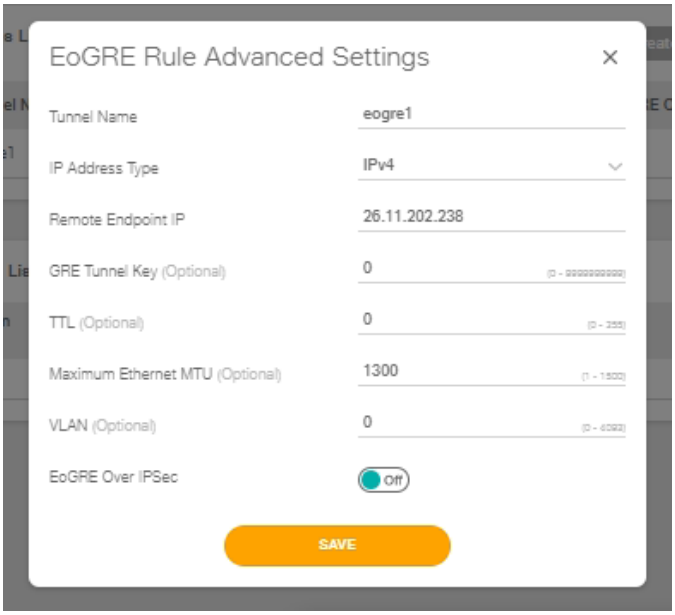

Figure 21 - EoGRE rule Advance Settings

1.4 Category Administration

The administration menu helps to navigate through different admin pages and to configure respectively.

- User Management: Refer to section 1.4.1 User Management
- Software Upgrade: Refer to section 1.4.2 Software Upgrade
- IP Address Filter: Refer to section 1.4.3 IP Address Filter
- URL Filter: Refer to section 1.4.4 URL Filter
- MAC Address Filter: Refer to section 1.4.5 MAC Address Filter
- UPnP Port Forwarding: Refer to section 1.4.6 UPnP Port Forwarding

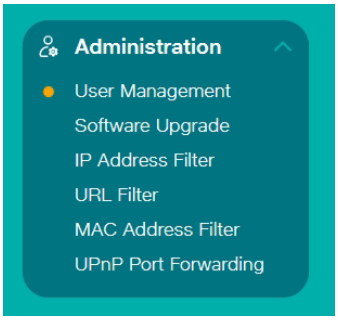

Figure 22 - Administration menu

1.4.1 User Management

Select [Administration] → [User Management] from web control panel to navigate to User Management Page

- Account Management
  - Username: Login username
  - Password: Login Password
  - New Password:
  - Confirm New Password

- Device Management
  - Session Timeout: Idle timeout to reset the session, ranges from 1 to 60 minutes.

- Screen Refresh Time: Time to refresh the page, ranges from 0 to 300 seconds.
- Language: Set the preferred language

- Restore Default Settings
  - Restore: Restore to default factory settings

- Reboot
  - Reboot: Reboot the device

- Auto Reboot Settings
  - Reboot schedule: Never, Every day, Weekly, Monthly
  - Select Reboot Day: Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday.
  - Select Reboot Time: 24Hrs.

- Connection Address & Network Health Monitor
  - Connection Address
  - Network Health Monitor: Enable or Disable

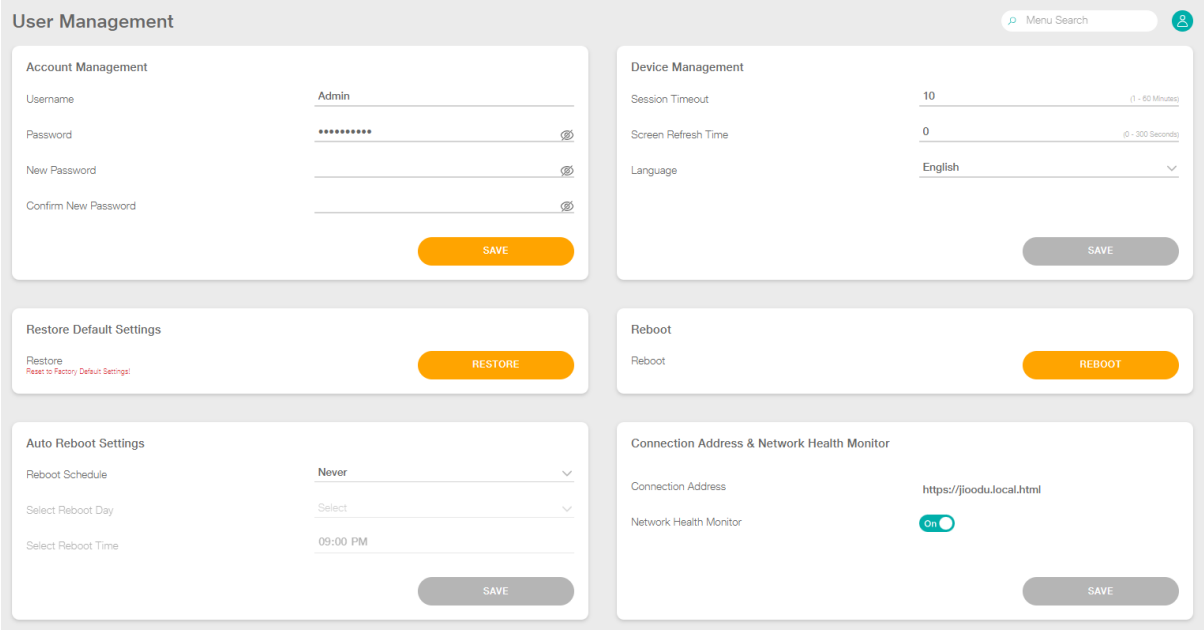

Figure 23 - User Management Page

1.4.2 Software Upgrade

Select [Administration] → [Software Upgrade] from web control panel to navigate to Software Upgrade Page

- Software Details & Upgrade
  - Current Software Version
  - Current Software Date

- Software Upgrade
  - Select New Software: Upload a new software file.

- Backup & Restore
  - Restore Configuration: Upload restore configuration.

- Restore
- Backup: Backup downloads the current configuration to backup

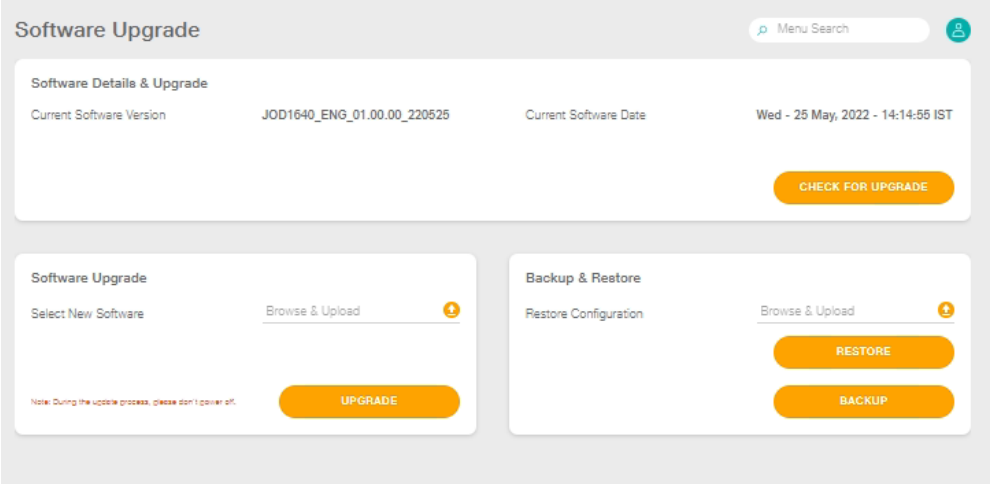

Figure 24 - Software Upgrade page

1.4.3 IP Address Filter

Select [Administration] → [IP Address Filter] from web control panel to navigate to IP Address Filter Page. This screen is available only if the device is in ROUTER mode.

- IP Address Filtering
  - Filtering Status: Enable or Disable
  - Filtering Mode: Allow or Deny

- IP Address Filtering List: This section displays the list of IP addresses listed in Allow or Deny mode when filter status is enabled. User can add up to 5 entries of each mode.
  - IP Address
  - Actions: User can perform delete operation on IP address

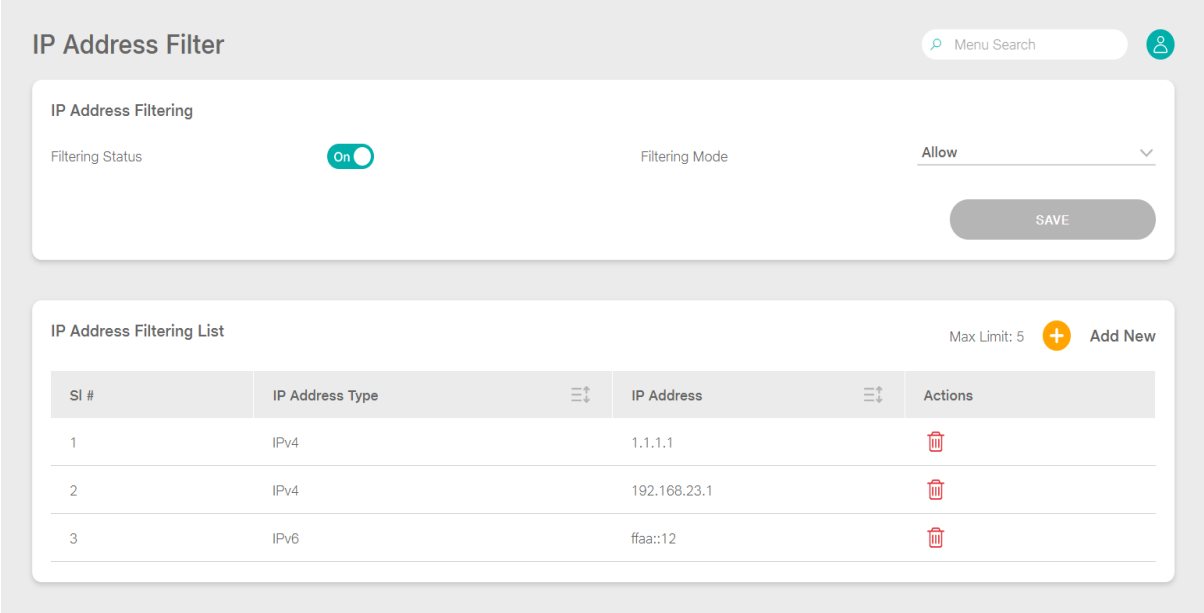

Figure 25 - IP Address Filter page

1.4.4 URL Filter

Select [Administration] → [URL Filter] from web control panel to navigate to URL Filter Page. This screen is available only if the device is in ROUTER mode.

- URL Filtering
  - Filtering Status: Enable or Disable
  - Filtering Mode: Allow or Deny

- URL Filtering List: This section displays the list of URLs listed in Allow or Deny mode when filter status is enabled. User can add up to 5 entries of each mode.
  - URL
  - Actions: User can perform delete operation on URL

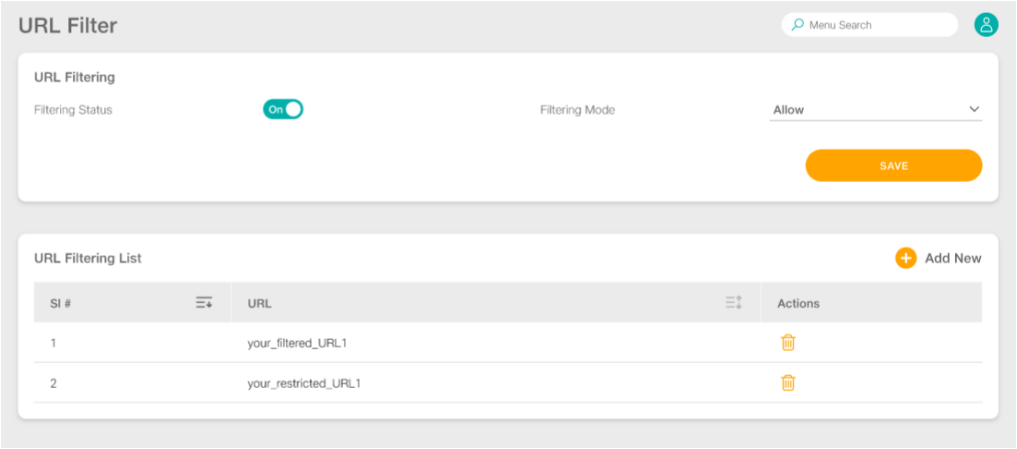

Figure 26 - URL Filter page

1.4.5 MAC Address Filter

Select [Administration] → [MAC Address Filter] from web control panel to navigate to MAC Address Filter Page. This screen is available only if the device is in ROUTER mode.

- MAC Address Filtering
  - Filtering Status: Enable or Disable
  - Filtering Mode: Allow or Deny

- MAC Address Filtering List: This section displays the list of MAC addresses listed in Allow or Deny mode when filter status is enabled. User can add up to 5 entries of each mode.
  - MAC Address
  - Actions: User can perform delete operation on MAC address

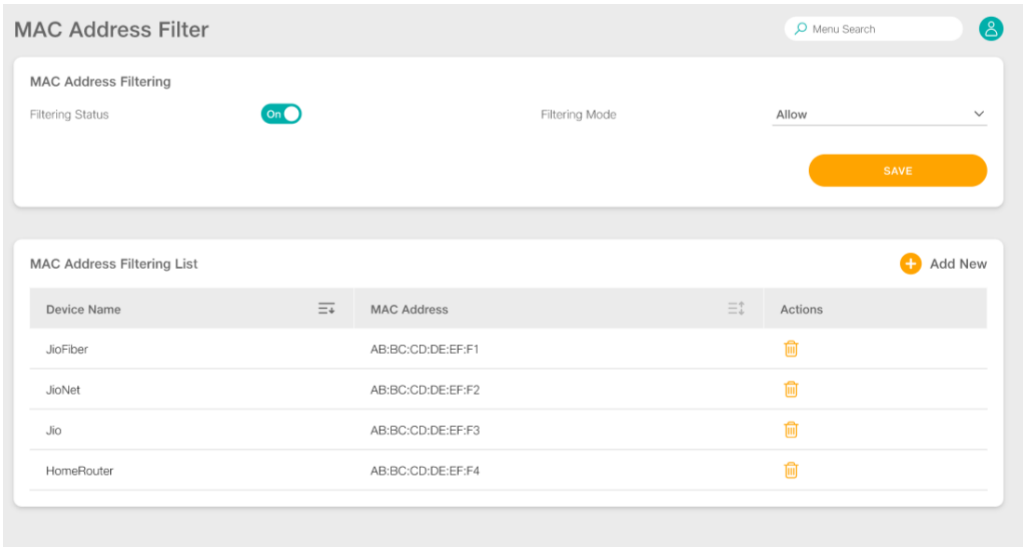

Figure 27 - MAC Address Filter page

1.4.6 UPnP & Port Forwarding

Select [Administration] → [UPnP Port Forwarding] from web control panel to navigate to UPnP & Port Forwarding Page. This screen is available only if the device is in ROUTER mode.

- UPnP
  - UPnP Status: Enable or Disable
- Port Forwarding
  - Port Forwarding Status: Enable or Disable
- Port Forwarding Rules List: This section displays the list of port forwarding rules with below details when port forwarding is enabled.
  - Protocol
  - WAM Port Range (Begin – End)
  - LAN IP
  - Status
  - Actions

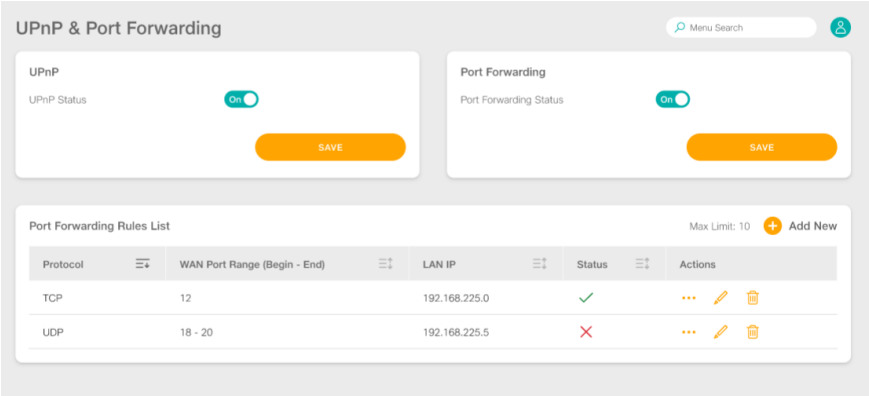

Figure 28 - UPnP & Port Forwarding page.

1.5 Category SMS

SMS menus help to navigate through different SMS pages and to configure respectively.

- Settings: Refer to section 1.5.1 SMS Settings

- SMS Inbox: Refer to section 1.5.2 SMS Inbox
- Sent Messages: Refer to section 1.5.3 Sent Messages
- Contacts: Refer to section 1.5.4 Contacts
- Groups: Refer to section 1.5.5 Groups

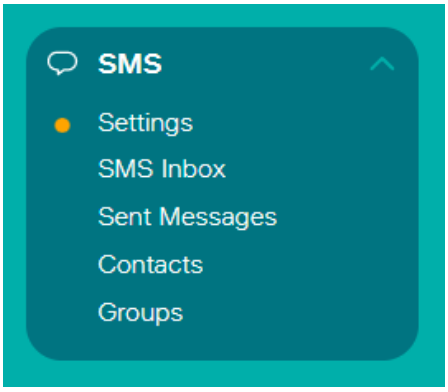

Figure 29 - SMS Menu

1.5.1 Settings

Select [SMS] → [Settings] from web control panel to navigate to SMS settings Page.

- SMS Settings
  - SMS Center Number
  - SMS Report: Enable or Disable

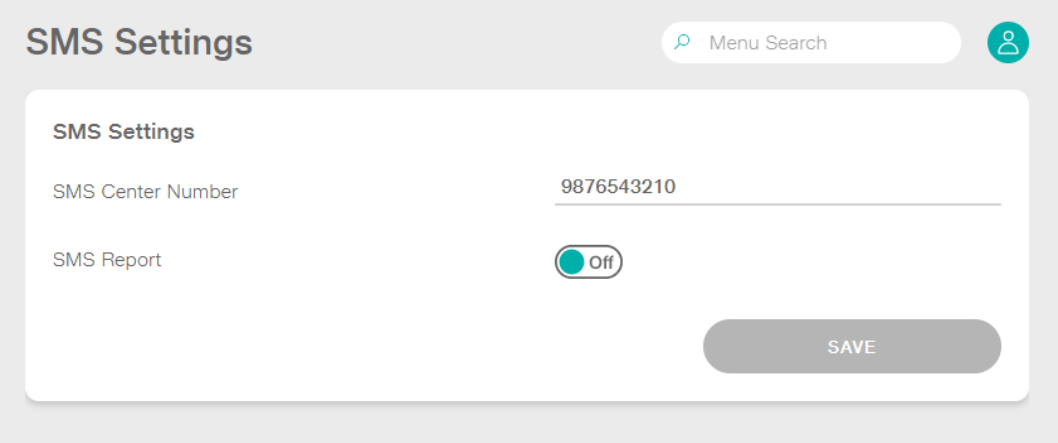

Figure 30 - SMS Settings page

1.5.2 SMS Inbox

Select [SMS] → [SMS Inbox] from web control panel to navigate to SMS Inbox Page. From this page, user should be able to compose a message and send, search of an inbox message, delete one or more inbox message, reply to a message, or forward a message.

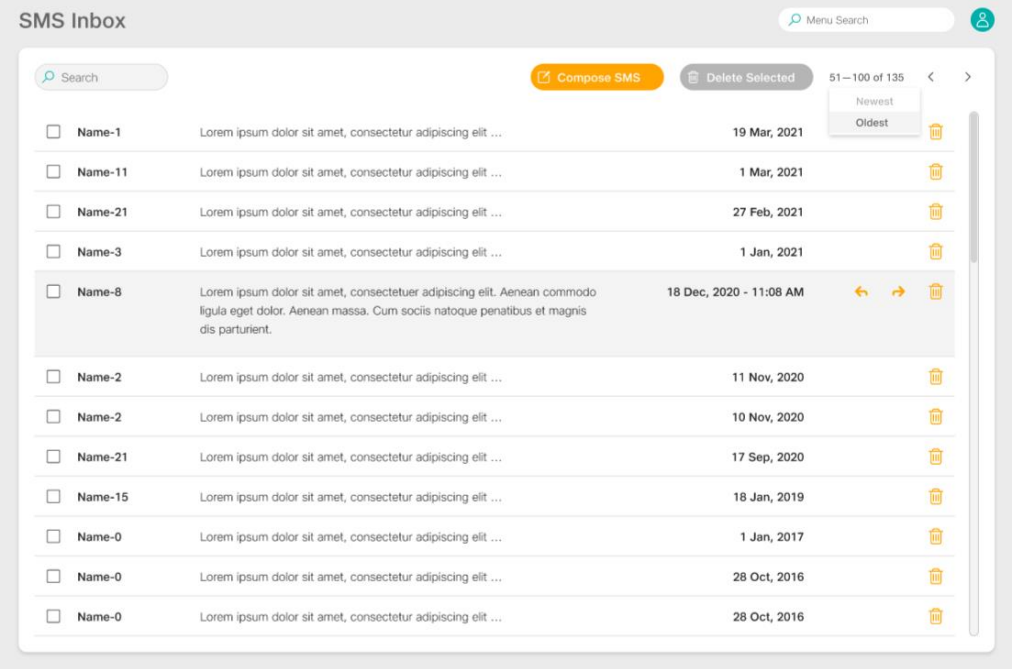
SMS Inbox
Menu Search
Search
Compose SMS
Delete Selected
51—100 of 135
Newest
Oldest
Name-1 Lorem ipsum dolor sit amet, consectetur adipiscing elit ... 19 Mar, 2021
Name-11 Lorem ipsum dolor sit amet, consectetur adipiscing elit ... 1 Mar, 2021
Name-21 Lorem ipsum dolor sit amet, consectetur adipiscing elit ... 27 Feb, 2021
Name-3 Lorem ipsum dolor sit amet, consectetur adipiscing elit ... 1 Jan, 2021
Name-8 Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa. Cum sociis natoque penatibus et magnis dis parturient. 18 Dec, 2020 - 11:08 AM
Name-2 Lorem ipsum dolor sit amet, consectetur adipiscing elit ... 11 Nov, 2020
Name-2 Lorem ipsum dolor sit amet, consectetur adipiscing elit ... 10 Nov, 2020
Name-21 Lorem ipsum dolor sit amet, consectetur adipiscing elit ... 17 Sep, 2020
Name-15 Lorem ipsum dolor sit amet, consectetur adipiscing elit ... 18 Jan, 2019
Name-0 Lorem ipsum dolor sit amet, consectetur adipiscing elit ... 1 Jan, 2017
Name-0 Lorem ipsum dolor sit amet, consectetur adipiscing elit ... 28 Oct, 2016
Name-0 Lorem ipsum dolor sit amet, consectetur adipiscing elit ... 28 Oct, 2016

Figure 31 - SMS Inbox page

1.5.3 Sent Messages

Select [SMS] → [Sent Messages] from web control panel to navigate to Send Messages page. From this page, user should be able to search of a sent message, delete a sent message, reply to a message, or forward a message.

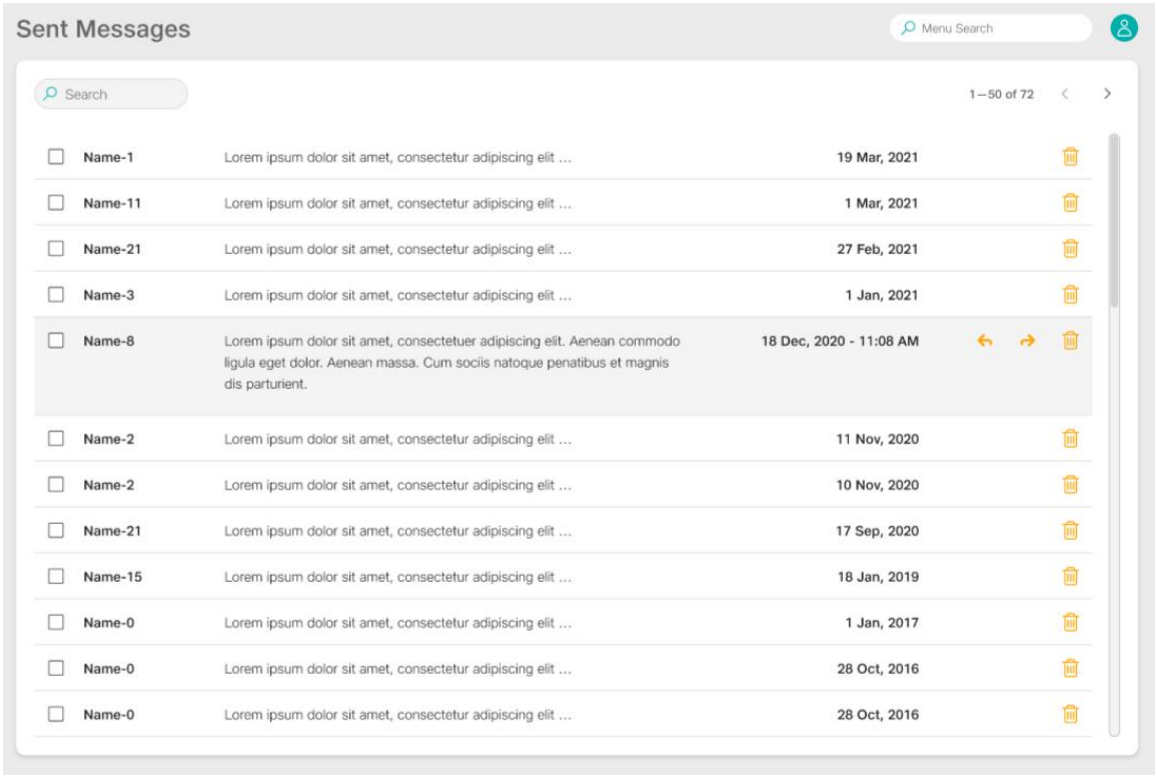
Sent Messages
Menu Search
Search
1—50 of 72
Name-1 Lorem ipsum dolor sit amet, consectetur adipiscing elit ... 19 Mar, 2021
Name-11 Lorem ipsum dolor sit amet, consectetur adipiscing elit ... 1 Mar, 2021
Name-21 Lorem ipsum dolor sit amet, consectetur adipiscing elit ... 27 Feb, 2021
Name-3 Lorem ipsum dolor sit amet, consectetur adipiscing elit ... 1 Jan, 2021
Name-8 Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa. Cum sociis natoque penatibus et magnis dis parturient. 18 Dec, 2020 - 11:08 AM
Name-2 Lorem ipsum dolor sit amet, consectetur adipiscing elit ... 11 Nov, 2020
Name-2 Lorem ipsum dolor sit amet, consectetur adipiscing elit ... 10 Nov, 2020
Name-21 Lorem ipsum dolor sit amet, consectetur adipiscing elit ... 17 Sep, 2020
Name-15 Lorem ipsum dolor sit amet, consectetur adipiscing elit ... 18 Jan, 2019
Name-0 Lorem ipsum dolor sit amet, consectetur adipiscing elit ... 1 Jan, 2017
Name-0 Lorem ipsum dolor sit amet, consectetur adipiscing elit ... 28 Oct, 2016
Name-0 Lorem ipsum dolor sit amet, consectetur adipiscing elit ... 28 Oct, 2016

Figure 32 - Sent Messages page.

1.5.4 Contacts

Select [SMS] → [Contacts] from web control panel to navigate to Contacts page. From this page, user should be able to create a contact, delete one or more contacts, edit a contact, compose, and send a message to a selected contact.

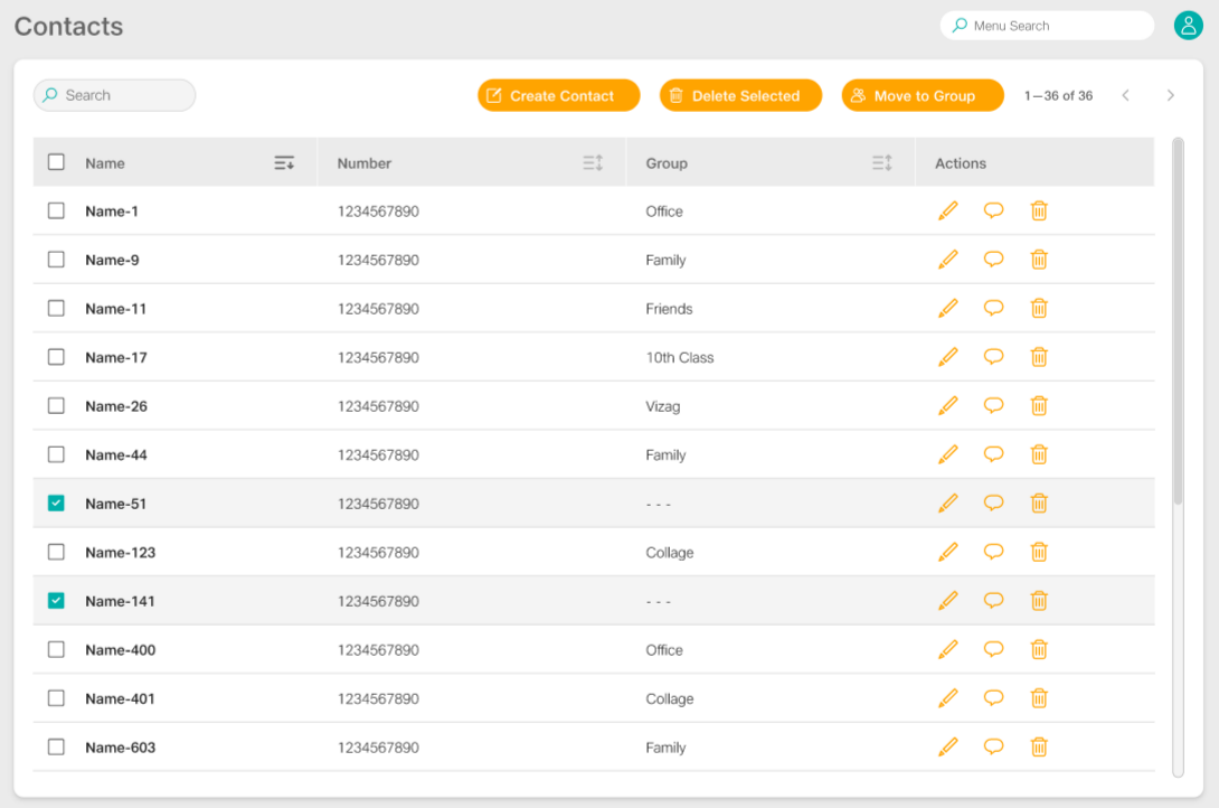

Figure 33 - Contacts

1.5.5 Groups

Select [SMS] → [Groups] from web control panel to navigate to Groups page. From this page, user should be able to create a group, edit a group detail, delete one or more groups, compose, and send a message to a selected group.

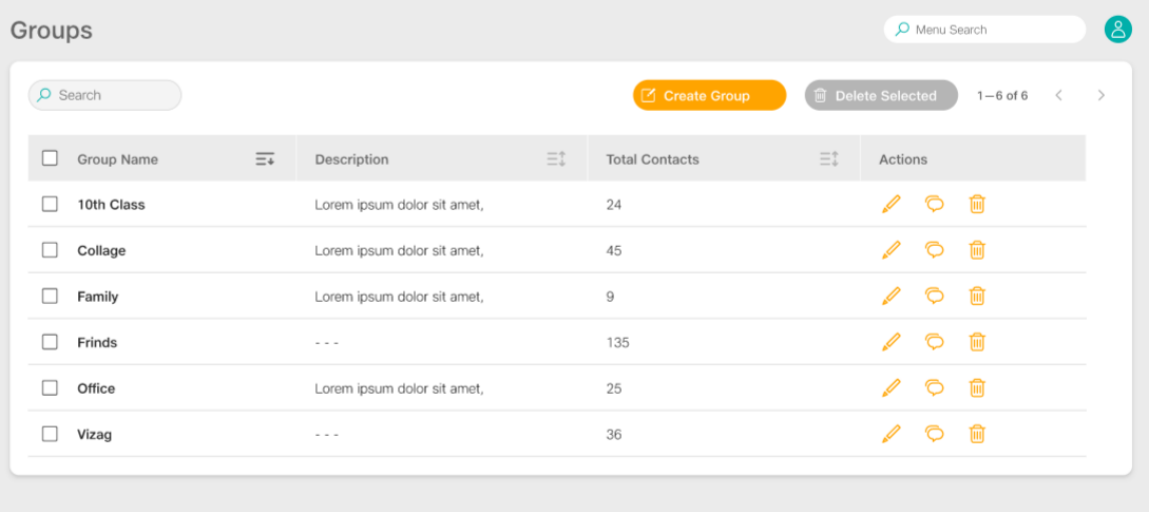

Figure 34 - Groups page

1.6 Category Help

The help menu helps to navigate through different help screens.

- About Device: Refer to section 1.6.1 About Device
- Logs: Refer to section 1.6.2 Logs

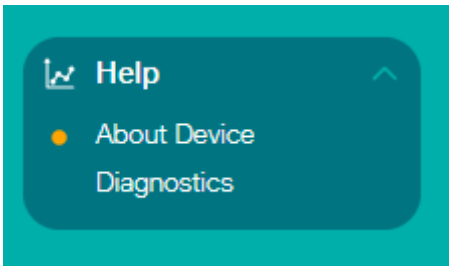

Figure 35 - Help Menu

1.6.1 About Device

Select [Help] → [About Device] from web control panel to navigate to About Device page. This page gives the information about the device.

- Device Information
  - Device Name & Model
  - Web UI Version
  - Software Version
  - Hardware Version
  - IMEI
  - MAC Address
  - User's Guide: Download user's guide downloads the JioODU Web GUI user guide.

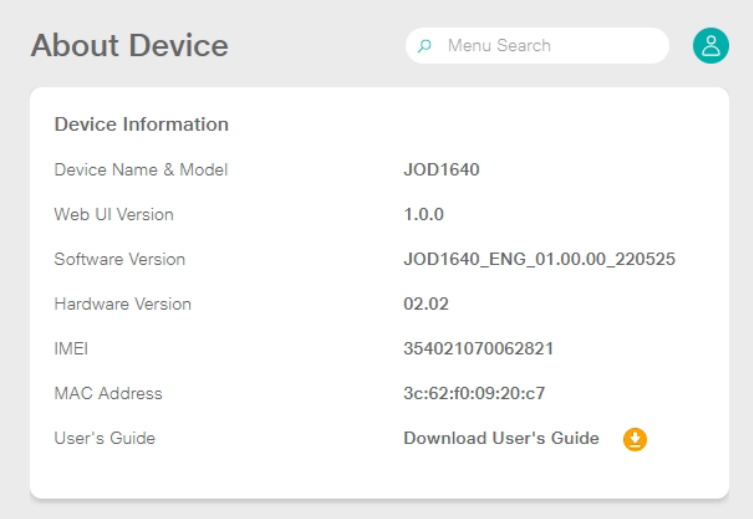

Figure 36 - About Device page

1.6.2 Diagnostics

Select [Help] → [Diagnostic] from web control panel to navigate to Logs page.

- Ping/ Traceroute
  - IPv4 Address / Domain name: Add IP address or domain name.
  - Select Utility: Ping
- Ping6 / Traceroute6
  - IPv4 Address / Domain name: Add IP address or domain name.
  - Select Utility: Ping6 or Traceroute6
- Perform a DNS Lookup
  - Internet Name: Add Internet name.
- Display Routing Table
  - IP Type: IPv4 or IPv6
- Logs
  - Log Status: Enable or Disable
  - Log Level: Debug or Error or Warning or Information or Verbose (All)
- Log Actions
  - Clear Logs: Clear all existing logs.
  - Download Logs: Download logs till date.
- Capture Packets
  - Select Interface: Selection of interface.
  - Capture File Size: Packet capture file size

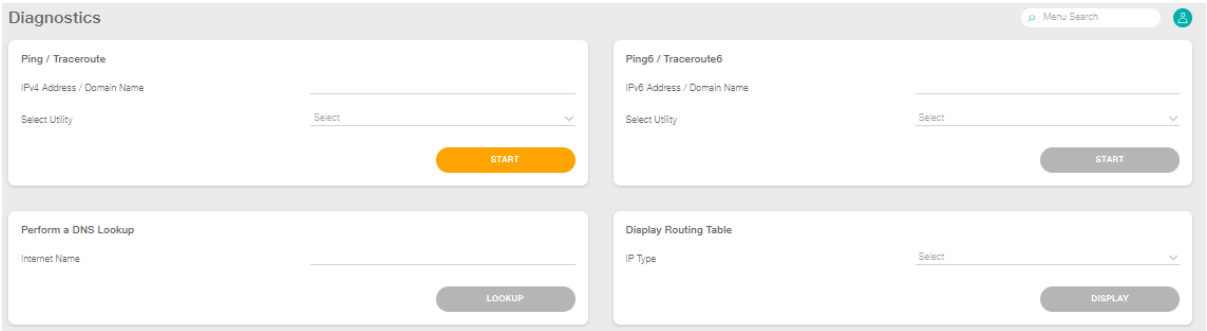

Figure 37 - Diagnostic page section 1

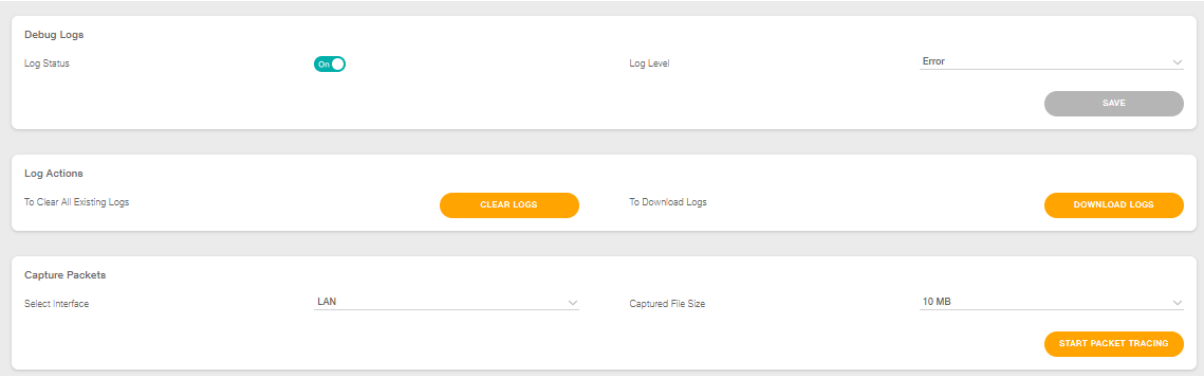

Figure 38 – Diagnostic page section 2

2. JioODU Web GUI Access Guide

2.1 Introduction

JioODU Web GUI provides a user interface to access a router device detail and configure the settings.

2.2 Getting Started

2.2.1 Access Web GUI with IP Address / URL

1. Set the static IP address to https://192.168.225.x in laptop.
2. Enter the IP address [https://192.168.255.1] or URL [https://jioodu.local.html] on the web browser to access JioODU web GUI login page.

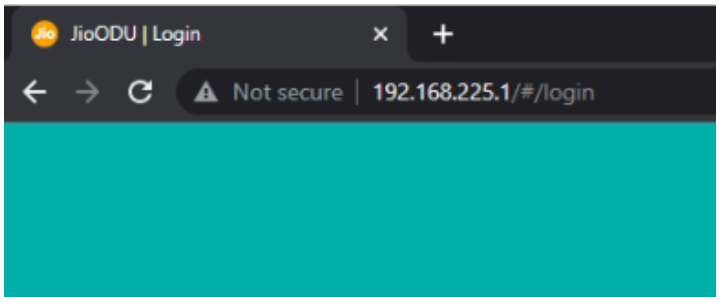

Figure 39 - JioODU Web GUI Login with IP Address

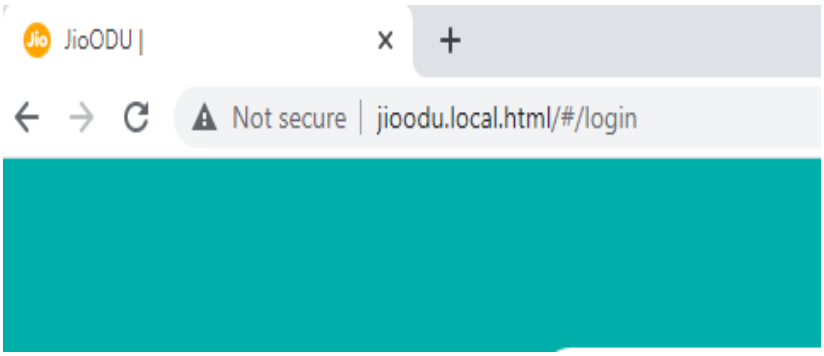

Figure 40 – JioODU Web GUI Login with URL

3. Enter username and password and click on [LOGIN] to authenticate user.

2.2.2 First Time Login

1. On first time login, web GUI will redirect user to update password page.

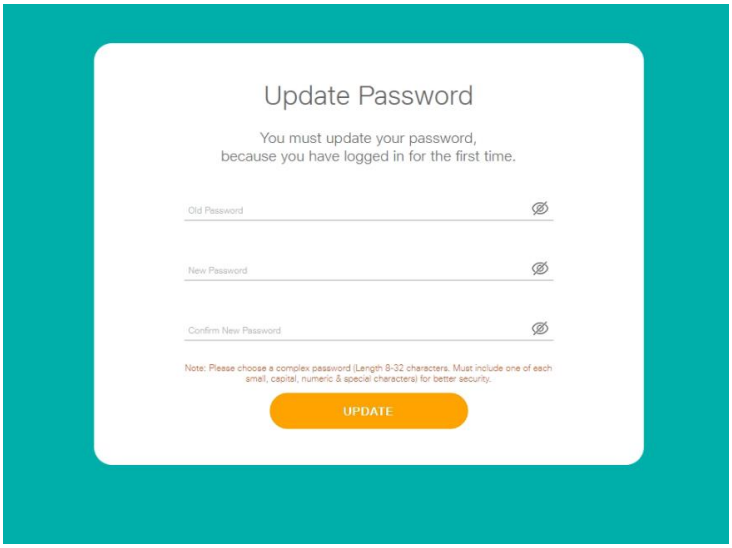
Update Password
You must update your password,
because you have logged in for the first time.
Old Password
New Password
Confirm New Password
Note: Please choose a complex password (Length 8-32 characters. Must include one of each small, capital, numeric & special characters) for better security.
UPDATE

Figure 41 - Update Password page

2. Enter old password, new password and confirm password.
3. New password should meet the password complexity criteria.
4. Click on [UPDATE] and wait for the update.
5. On successful update of password, user is redirected to login screen. Use new password to login.

3. Common Settings Guide

3.1 APN Settings

3.1.1 Configure Default APN

1. Select [Settings] → [Cellular] from the web GUI control panel to configure default APN settings.

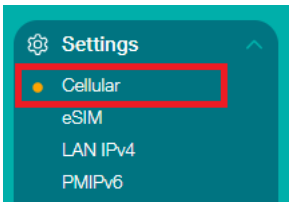

Figure 42 - APN settings page navigation

2. Under "Default APN Settings" section, enable APN status and provide APN Network, APN Name and Connection Type

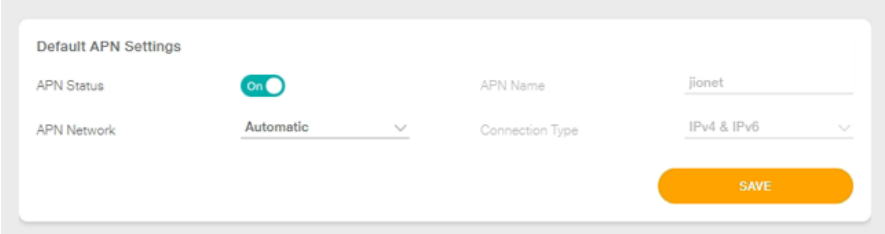

Figure 43 - APN Settings Section

3. Click on [SAVE] to save the changes.

3.1.2 Add User APN

1. Select [Settings] → [Cellular] from the web GUI control panel to configure add user APN.

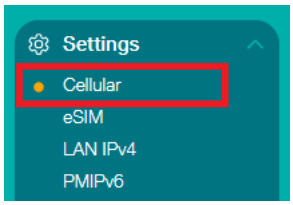

Figure 44 - Add User APN Navigation

2. Under "APNs List" section, click on [ADD NEW] to add user APN.

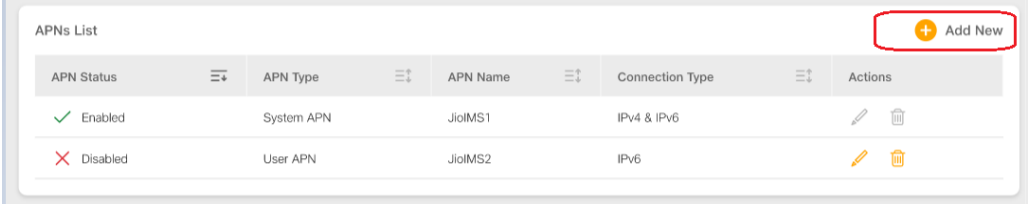

Figure 45 - Add New User APN

3. A dialog pops up to provide User APN details.

4. Set APN status, enter APN Name and select Connection Type

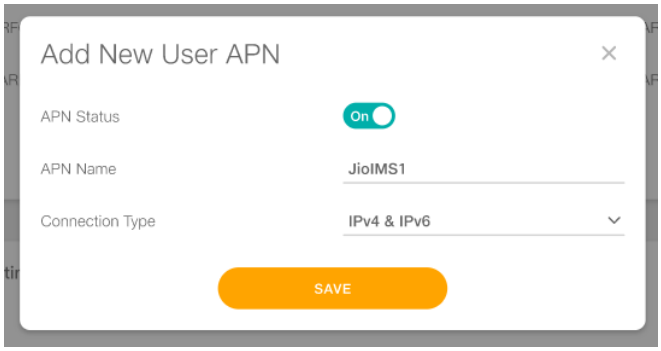

Figure 46 - Add new User APN Dialog

5. Click on [SAVE] to add a new user APN.

3.2 Software Upgrade Procedure

1. Select [Administration] → [Software Upgrade] from the web GUI control panel to perform software upgrade.

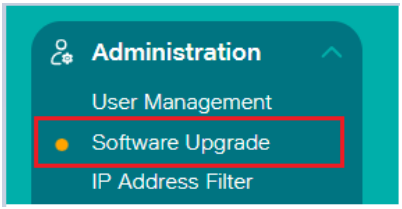

Figure 47 - Software Upgrade Navigation

2. Under “Software Upgrade” section, browser a new software file (zip file) from the local device.

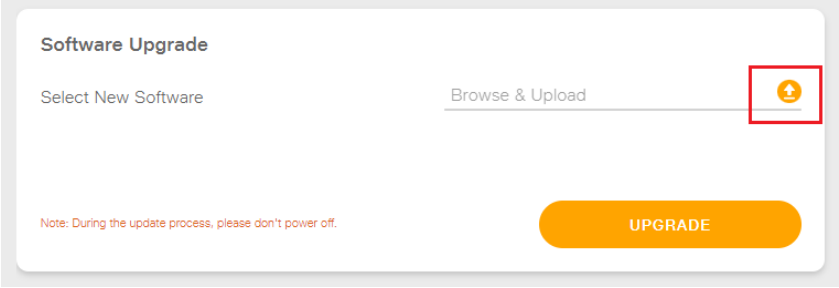

Figure 48 - Upload software upgrade file

3. Click on [UPGRADE]. Dialog pops up with instructions.

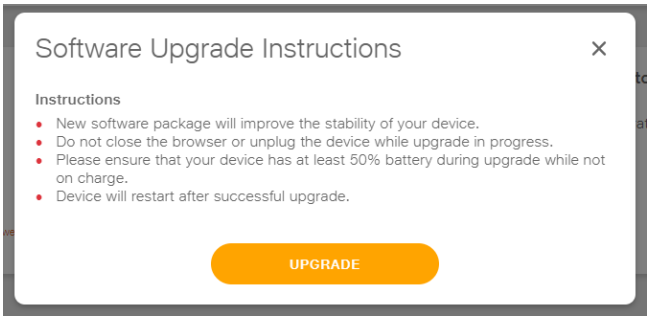
Software Upgrade Instructions
Instructions
New software package will improve the stability of your device.
Do not close the browser or unplug the device while upgrade in progress.
Please ensure that your device has at least 50% battery during upgrade while not on charge.
Device will restart after successful upgrade.
UPGRADE

Figure 49 - Software upgrade instructions dialog

4. Click on [UPGRADE] on the instructions dialog.

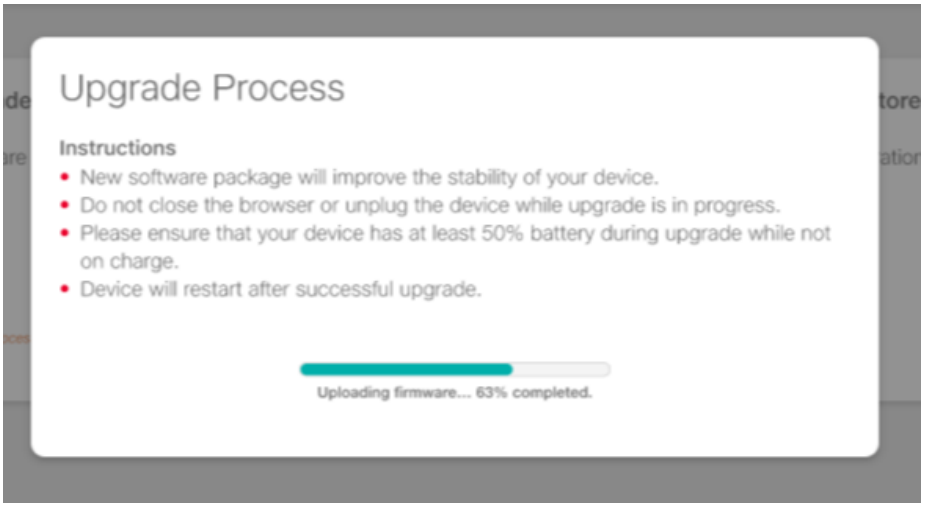
Upgrade Process
Instructions
New software package will improve the stability of your device.
Do not close the browser or unplug the device while upgrade is in progress.
Please ensure that your device has at least 50% battery during upgrade while not on charge.
Device will restart after successful upgrade.
Uploading firmware... 63% completed.

Figure 50 – Uploading Firmware

5. Device will reboot after the software upgrade is successful.

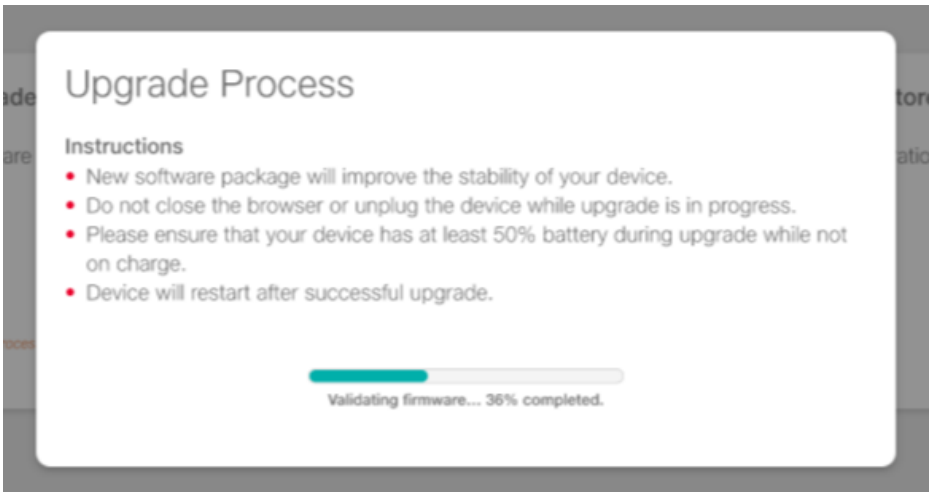
Upgrade Process
Instructions
New software package will improve the stability of your device.
Do not close the browser or unplug the device while upgrade is in progress.
Please ensure that your device has at least 50% battery during upgrade while not on charge.
Device will restart after successful upgrade.
Validating firmware... 36% completed.

Figure 51 - Validation Firmware

6. Device will reboot after the software upgrade is successful.

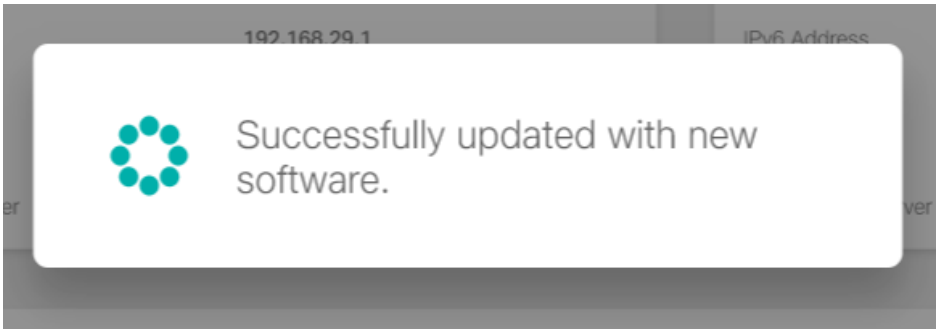

Figure 52 – Software Update Successful

3.3 Reboot Device Procedure

1. Select [Administration] → [User Management] from the web GUI control panel to perform device reboot.

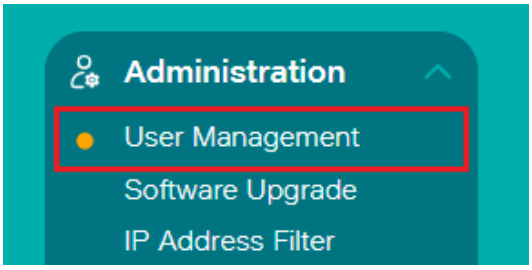

Figure 53 - Reboot device navigation

2. Under “Reboot” section, click on [REBOOT]. Confirmation dialogs pops up.
3. Click on [REBOOT] on the confirmation dialog.

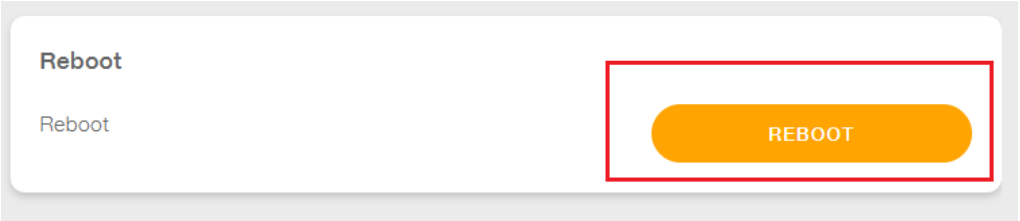

Figure 54 - Reboot device page

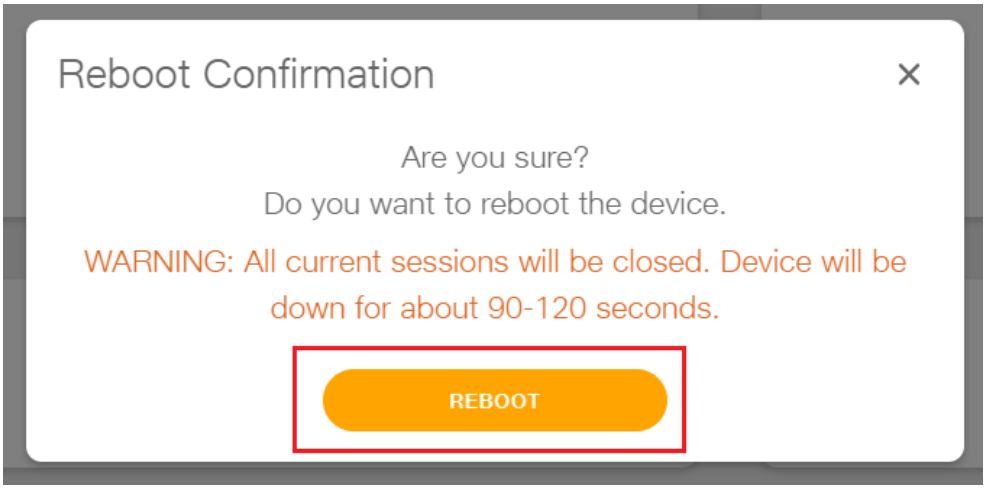
Reboot Confirmation
Are you sure?
Do you want to reboot the device.
WARNING: All current sessions will be closed. Device will be down for about 90-120 seconds.
REBOOT

Figure 55 - Reboot device confirmation dialog

3.4 Backup & Restore Procedure

Select [Administration] → [Software Upgrade] from the web GUI control panel to perform backup or restore.

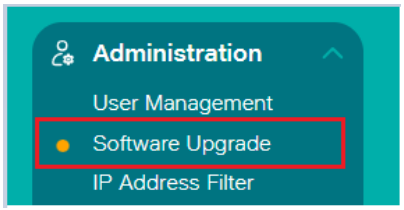

Figure 56 - Backup & Restore Navigation

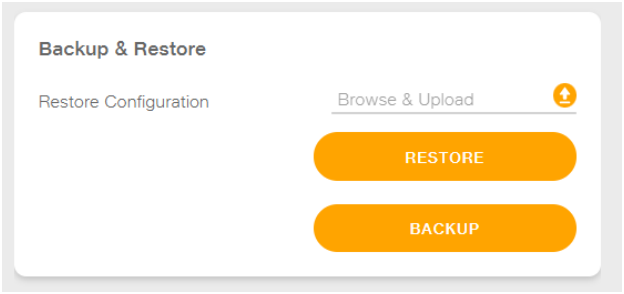

Figure 57 - Backup & Restore section.

3.4.1 Backup

1. Click on [BACKUP] to back up the device configuration.
2. Backup file will be downloaded to your local machine.

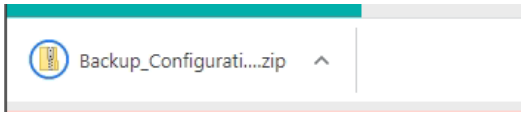

Figure 58 - Backup configuration downloaded.

3.4.2 Restore Configuration

1. Click on [Browse & Upload] to browse the restore configuration file (zip file)

2. Click on [RESTORE]
3. Device will reboot on successfully restoring the configuration.

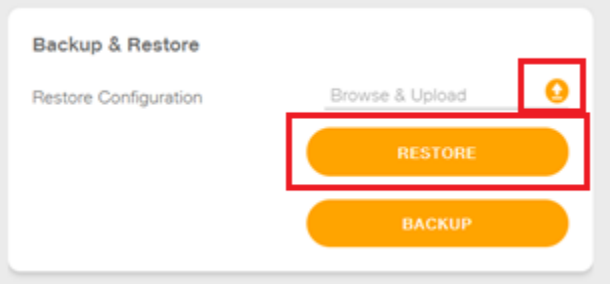

Figure 59 - Restore device configuration.

4. Abbreviations

ACS	Access Control Server
ALG	Application Layer Gateway
APN	Access Point Name
ARFCN	Absolute Radio-Frequency Channel
DHCP	Dynamic Host Configuration Protocol
DMZ	DeMilitarized Zone
DNS	Domain Name System
ECGI	E-UTRAN Cell Global Identifier
HTTP	HyperText Transfer Protocol
ICMP	Internet Control Message Protocol
IMEI	International Mobile Equipment Identity
IMSI	International Mobile Subscriber Identity
IP	Internet Protocol
IPv4	Internet Protocol Version 4
IPv6	Internet Protocol Version 6
LAN	Local Area Network
MAC	Medium Access Control
MCS	Modulation Coding Scheme
MIMO	Multiple Input Multiple Output
MTU	Maximum Transmission Unit
PIN	Personal Identification Number
PLMN	Public Land Mobile Network
PUK	Personal Unlocking Key
RAT	Radio Access Technology
RSRP	Reference Signal Received Power
RSRQ	Reference Signal Received Quality
SIM	Subscriber Identity Module
SINR	Signal-to-Interference-plus-Noise Ratio
SMS	Short Message Service
SSH	Secure SHell
SS-RSRP	Synchronization Signal Reference Signal Received Power
SS-RSRQ	Secondary synchronization Signal Reference Signal Received Quality
WAN	Wide Area Network